

Milk Production

Washington, D.C.

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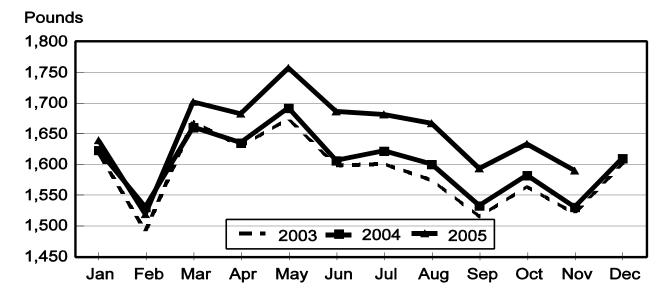
November Milk Production Up 4.6 Percent

Milk production in the 23 major States during November totaled 13.0 billion pounds, up 4.6 percent from November 2004. October revised production, at 13.3 billion pounds, was up 4.0 percent from October 2004. The October revision represented a decrease of 17 million pounds from last month's preliminary production estimate.

Production per cow in the 23 major States averaged 1,590 pounds for November, 59 pounds above November 2004.

The number of milk cows on farms in the 23 major States was 8.16 million head, 60,000 head more than November 2004, and 2,000 head more than October 2005.

Monthly Milk per Cow 23 States



Milk Cows and Production: By Quarter, United States, 2004-2005 ¹

Quarter	Milk (Cows ²	Milk Pe	r Cow ³	1	Milk Production	3
	2004	2005	2004	2005 2004		2005	Change From 2004
	1,000 Head	1,000 Head	Pounds	Pounds	Million Pounds	Million Pounds	Percent
Jan-Mar Apr-Jun Jul-Sep Oct-Dec	8,993 9,001 9,027 9,019	8,996 9,034 9,054	4,755 4,869 4,679 4,655	4,807 5,054 4,859	42,759 43,824 42,239 41,983	43,242 45,660 43,997	1.1 4.2 4.2
Annual	9,010		18,957		170,805		

Milk Cows and Production: By Month, 23 Selected States, 2004-2005 ¹

	Milk (Cows ²	Milk Pe	r Cow ³]	Milk Production ³	
Month	2004	2005	2004	2005	2004	2005	Change From 2004
	1,000 Head	1,000 Head	Pounds	Pounds	Million Pounds	Million Pounds	Percent
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec	8,044 8,051 8,059 8,063 8,064 8,083 8,096 8,102 8,104 8,103 8,102 8,097	8,083 8,076 8,095 8,109 8,121 8,132 8,145 8,157 8,157 8,160 8,162	1,624 1,531 1,661 1,636 1,692 1,607 1,623 1,601 1,533 1,583 1,531	1,640 1,519 1,702 1,683 1,757 1,686 1,681 1,667 1,594 1,634 1,590	13,061 12,329 13,387 13,194 13,641 12,988 13,143 12,970 12,426 12,824 12,404 13,037	13,258 12,270 13,779 13,647 14,266 13,712 13,692 13,595 13,005 13,336 12,975	1.5 -0.5 2.9 3.4 4.6 5.6 4.2 4.8 4.7 4.0
Annual	8,081		19,232		155,404		

Estimated Milk Cows and Production: By Month, United States, 2004-2005 ¹

	Milk (Cows ²	Milk Pe	r Cow ³	1	Milk Production	3
Month	2004	2005	2004	2005	2004	2005	Change From 2004
	1,000 Head	1,000 Head	Pounds	Pounds	Million Pounds	Million Pounds	Percent
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec	8,985 8,993 9,002 8,999 8,991 9,014 9,028 9,029 9,025 9,023 9,021 9,013	8,995 8,984 9,009 9,023 9,034 9,044 9,047 9,057 9,057 9,059 9,061	1,603 1,512 1,640 1,613 1,670 1,586 1,596 1,574 1,509 1,559 1,509 1,587	1,622 1,502 1,683 1,659 1,732 1,663 1,654 1,637 1,571 1,611	14,402 13,595 14,762 14,519 15,012 14,293 14,405 14,215 13,619 14,070 13,610 14,303	14,586 13,498 15,158 14,970 15,650 15,040 14,950 14,844 14,203 14,596 14,203	1.3 -0.7 2.7 3.1 4.2 5.2 3.8 4.4 4.3 3.7 4.4
Annual	9,010		18,957		170,805		

May not add due to rounding.
 Includes dry cows, excludes heifers not yet fresh.
 Excludes milk sucked by calves.

 ²⁰⁰⁵ revised.
 Includes dry cows, excludes heifers not yet fresh.
 Excludes milk sucked by calves.

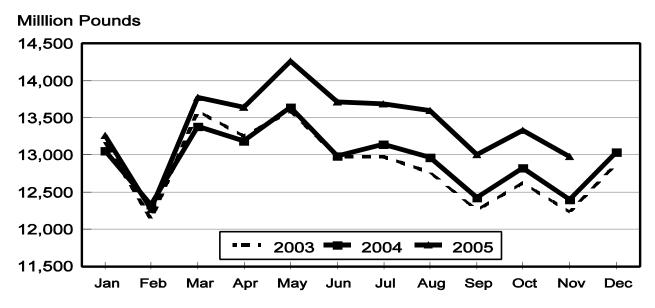
 ²⁰⁰⁵ revised.
 Includes dry cows, excludes heifers not yet fresh.
 Excludes milk sucked by calves.

Milk Cows and Production: By State, November 2004-2005

	Milk (Cows ¹	Milk Pe	r Cow ²	1	Milk Production ²	
State	2004	2005	2004	2005	2004	2005	Change From 2004
	1,000 Head	1,000 Head	Pounds	Pounds	Million Pounds	Million Pounds	Percent
AZ	168	161	1,760	1,840	296	296	
CA	1,741	1,770	1,700	1,725	2,960	3,053	3.1
CO	103	106	1,760	1,820	181	193	6.6
FL	137	136	1,250	1,210	171	165	-3.5
ID	434	471	1,720	1,780	746	838	12.3
IL	106	104	1,450	1,480	154	154	
IN	154	157	1,540	1,650	237	259	9.3
IA	190	187	1,610	1,620	306	303	-1.0
KS	112	112	1,580	1,670	177	187	5.6
KY	109	102	1,030	1,040	112	106	-5.4
MI	306	312	1,660	1,735	508	541	6.5
MN	460	450	1,390	1,445	639	650	1.7
MO	120	114	1,215	1,230	146	140	-4.1
NM	322	337	1,605	1,720	517	580	12.2
NY	651	648	1,410	1,485	918	962	4.8
OH	266	270	1,390	1,400	370	378	2.2
OR	120	121	1,490	1,490	179	180	0.6
PA	563	556	1,420	1,500	799	834	4.4
TX	320	321	1,455	1,630	466	523	12.2
VT	144	142	1,415	1,460	204	207	1.5
VA	104	105	1,340	1,370	139	144	3.6
WA	235	242	1,825	1,835	429	444	3.5
WI	1,237	1,238	1,415	1,485	1,750	1,838	5.0
23-State							
Total	8,102	8,162	1,531	1,590	12,404	12,975	4.6

Includes dry cows, excludes heifers not yet fresh.
 Excludes milk sucked by calves.

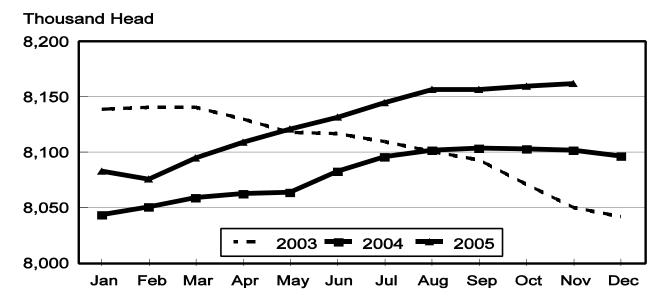
Monthly Milk Production 23 States



Milk Cows and Production: By State, October 2004-2005 $^{\rm 1}$

	Milk (Cows ²	Milk pe	r Cow ³]	Milk Production ³	
State	2004	2005	2004	2005	2004	2005	Change From 2004
	1,000 Head	1,000 Head	Pounds	Pounds	Million Pounds	Million Pounds	Percent
AZ CA CO FL ID IL IN IA KS KY MI MN MO NM NY OOH OR PA TX	167 1,740 103 137 434 106 152 191 114 109 304 460 120 323 653 266 120 563 320	161 1,770 106 135 470 104 155 187 112 103 312 450 114 335 650 270 121 558 320	1,785 1,770 1,785 1,165 1,800 1,480 1,585 1,640 1,590 1,035 1,730 1,425 1,230 1,690 1,470 1,410 1,575 1,465 1,470	1,840 1,780 1,870 1,140 1,870 1,510 1,685 1,640 1,790 1,475 1,200 1,760 1,550 1,440 1,550 1,605	298 3,080 184 160 781 157 241 313 181 113 526 656 148 546 960 375 189 825 470	296 3,151 198 154 879 157 261 307 188 107 558 664 137 590 1,008 389 189 865 514	-0.7 2.3 7.6 -3.8 12.5 8.3 -1.9 3.9 -5.3 6.1 1.2 -7.4 8.1 5.0 3.7
VT VA	145 104	142 105	1,455 1,355	1,505 1,370	211 141	214 144	1.4 2.1
WA WI	234 1,238	243 1,237	1,895 1,475	1,920 1,535	443 1,826	467 1,899	5.4 4.0
23-State Total	8,103	8,160	1,583	1,634	12,824	13,336	4.0

Monthly Milk Cows 23 States



 ¹ 2005 revised.
 ² Includes dry cows, excludes heifers not yet fresh.
 ³ Excludes milk sucked by calves.

Reliability Statement

Survey Procedures: Primary data used to determine these estimates were obtained from a sample of producers. Individual States maintain a list of all known milk producers and information on the size of their herd. States use all known sources of producers to ensure that their lists are as complete as possible. Generally, all large producers and a sample of small producers are included in the survey. Questionnaires are mailed to producers near the end of the month to obtain data for the first day of the month. Additional reports are obtained by telephone, as needed, to supplement the mail response. Where feasible, States utilize state and federal administrative data, rather than conduct a monthly or quarterly survey, to estimate milk production. This eliminates duplication of data gathering by different government agencies. Indications of milk cow inventory are also obtained in the January and July Cattle Surveys.

Estimation Procedures: State offices prepare these estimates by using a combination of survey indications, historic trends, and any available administrative data. Individual State estimates are reviewed by the Agricultural Statistics Board for reasonableness.

Revision Policy: Milk production, rate per cow, and number of cows are subject to revision the following month for monthly States or the following quarter for the quarterly States. Normally, Federal Market Order sales are the main basis for revisions. However, data for all orders are not available in time for this revision. Estimates are again subject to revisions in February each year based on additional administrative data. In the event that additional changes are necessary, a third revision is possible in February the following year. Estimates are again reviewed after data from the five-year Census of Agriculture are available. No revisions are made after that date.

Reliability: Since all operations with dairy animals are not included in the sample, survey estimates are subject to sampling variability. Survey results are also subject to non-sampling errors such as omissions, duplications, and mistakes in reporting, recording, and processing the data. The effects of these errors cannot be measured directly. They are minimized through rigid quality controls in the data collection process and through a careful review of all reported data for consistency and reasonableness.

To assist users in evaluating the reliability of the estimates in this report, the "Root Mean Square Error" is shown for selected items on the next page. The "Root Mean Square Error" is a statistical measure based on past performance and is computed using the differences between first and final estimates. The "Root Mean Square Error" for milk cow inventory estimates over the past 10 July-September quarters is 0.6 percent. This means that chances are 2 out of 3 that the final July-September estimate will not be above or below the current estimate of 9.05 million head by more than 0.6 percent. Chances are 9 out of 10 that the difference will not exceed 1.0 percent.

Reliability of July-September Milk Estimates $^{\rm 1}$

	Root	90% Confidence Level		D	ifference Betw	Quarters		
Item	Mean Square				First and Lates Estimates	First Above	First Below Latest	
	Error			Average	Smallest Largest			Latest
	Percent	Percent	Million Pounds	Million Pounds	Million Pounds	Million Pounds	Number	Number
Milk Production	0.6 Percent	1.0 Percent	440 1,000 Head	197 1,000 Head	65 1,000 Head	362 1,000 Head	8 Number	2 Number
All Milk Cows	0.3	0.6	54	21	2	61	7	3

¹ Based on records for the past 10 July-September quarters.

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